

# Year 8 Support work

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14
Autumn Term	<u>Multiply</u>	<u>Introduction to algebra</u>		<u>Negative numbers</u>	<u>Simplify expressions</u>				<u>Substitution</u>		<u>Functions</u>	<u>Compound units</u>	<u>Sequences</u>		
Spring Term	<u>Form and solve equations</u>		<u>Solving 2</u>		<u>Change the subject</u>				<u>Pythagoras</u>	<u>Simplify and share ratio</u>		<u>Ratio on maps</u>	<u>Ratio and fractions</u>		
Summer Term	<u>Co-ordinates</u>	<u>Linear graphs</u>		<u>Quadratic graphs</u>	<u>Real life linear graphs</u>	<u>SDT graphs</u>			<u>Revision for End of year assessments</u>	End of year assessment and feedback See teacher		<u>Inequalities</u>			

Starter a day <https://corbettmaths.com/5-a-day/gcse/>  
 Select Numeracy or foundation option for the date

Autumn 1	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Multiply integers	<a href="https://vle.mathswatch.co.uk/vle/browse/173">https://vle.mathswatch.co.uk/vle/browse/173</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/173">https://vle.mathswatch.co.uk/vle/browse/173</a>	<a href="https://corbettmaths.com/wp-content/uploads/2018/01/multiplication-2-grid.pdf">https://corbettmaths.com/wp-content/uploads/2018/01/multiplication-2-grid.pdf</a>
Multiply decimals	<a href="https://vle.mathswatch.co.uk/vle/browse/222">https://vle.mathswatch.co.uk/vle/browse/222</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/222/practice">https://vle.mathswatch.co.uk/vle/browse/222/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2018/01/multiplying-decimals-textbook-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2018/01/multiplying-decimals-textbook-pdf.pdf</a>

Autumn 2	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Basic algebra vocabulary	<a href="https://www.youtube.com/watch?v=tMqcC2XAxKI">https://www.youtube.com/watch?v=tMqcC2XAxKI</a>		
Form expressions from words	<a href="https://vle.mathswatch.co.uk/vle/browse/160">https://vle.mathswatch.co.uk/vle/browse/160</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/160/practice">https://vle.mathswatch.co.uk/vle/browse/160/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/forming-expressions-pdf2.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/forming-expressions-pdf2.pdf</a>

Autumn 3	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Add and subtract negative numbers	<a href="https://vle.mathswatch.co.uk/vle/browse/224">https://vle.mathswatch.co.uk/vle/browse/224</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/224/practice">https://vle.mathswatch.co.uk/vle/browse/224/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2020/05/Negatives-addition-and-subtraction.pdf">https://corbettmaths.com/wp-content/uploads/2020/05/Negatives-addition-and-subtraction.pdf</a>
Multiply and divide negative numbers	<a href="https://vle.mathswatch.co.uk/vle/browse/225">https://vle.mathswatch.co.uk/vle/browse/225</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/225/practice">https://vle.mathswatch.co.uk/vle/browse/225/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2018/11/Negatives-multiplication-and-division-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2018/11/Negatives-multiplication-and-division-pdf.pdf</a>

Autumn 4 – page 1 of 2	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Collect like terms	<a href="https://vle.mathswatch.co.uk/vle/browse/188">https://vle.mathswatch.co.uk/vle/browse/188</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/188/practice">https://vle.mathswatch.co.uk/vle/browse/188/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/collecting-like-terms-pdf3.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/collecting-like-terms-pdf3.pdf</a>
Expand brackets	<a href="https://vle.mathswatch.co.uk/vle/browse/251">https://vle.mathswatch.co.uk/vle/browse/251</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/295">https://vle.mathswatch.co.uk/vle/browse/295</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/251/practice">https://vle.mathswatch.co.uk/vle/browse/251/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/295/practice">https://vle.mathswatch.co.uk/vle/browse/295/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/expanding-brackets-pdf1.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/expanding-brackets-pdf1.pdf</a>
Factorise brackets	<a href="https://vle.mathswatch.co.uk/vle/browse/252">https://vle.mathswatch.co.uk/vle/browse/252</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/252/practice">https://vle.mathswatch.co.uk/vle/browse/252/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2020/05/Factorisation.pdf">https://corbettmaths.com/wp-content/uploads/2020/05/Factorisation.pdf</a>

Autumn 4 – continued	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Indice laws	<a href="https://vle.mathswatch.co.uk/vle/browse/189">https://vle.mathswatch.co.uk/vle/browse/189</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/190">https://vle.mathswatch.co.uk/vle/browse/190</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/292">https://vle.mathswatch.co.uk/vle/browse/292</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/189/practice">https://vle.mathswatch.co.uk/vle/browse/189/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/190/practice">https://vle.mathswatch.co.uk/vle/browse/190/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/292/practice">https://vle.mathswatch.co.uk/vle/browse/292/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2019/02/Laws-of-Indices-174-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2019/02/Laws-of-Indices-174-pdf.pdf</a>  <a href="https://corbettmaths.com/wp-content/uploads/2013/02/laws-of-indices-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/laws-of-indices-pdf.pdf</a>  <a href="https://corbettmaths.com/wp-content/uploads/2013/02/multiplying-terms-pdf1.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/multiplying-terms-pdf1.pdf</a>  <a href="https://corbettmaths.com/wp-content/uploads/2013/02/dividing-terms-pdf1.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/dividing-terms-pdf1.pdf</a>
Expand binomials	<a href="https://vle.mathswatch.co.uk/vle/browse/296">https://vle.mathswatch.co.uk/vle/browse/296</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/296/practice">https://vle.mathswatch.co.uk/vle/browse/296/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/expanding-two-brackets-pdf2.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/expanding-two-brackets-pdf2.pdf</a>

Autumn 5	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Substitution	<a href="https://vle.mathswatch.co.uk/vle/browse/253">https://vle.mathswatch.co.uk/vle/browse/253</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/253/practice">https://vle.mathswatch.co.uk/vle/browse/253/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/substitution-pdf2.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/substitution-pdf2.pdf</a>

Autumn 6	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Mapping functions	<a href="https://vle.mathswatch.co.uk/vle/browse/191">https://vle.mathswatch.co.uk/vle/browse/191</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/191/practice">https://vle.mathswatch.co.uk/vle/browse/191/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2019/02/Function-Machines.pdf">https://corbettmaths.com/wp-content/uploads/2019/02/Function-Machines.pdf</a>



Autumn 7	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Compound units: Speed	<a href="https://vle.mathswatch.co.uk/vle/browse/305">https://vle.mathswatch.co.uk/vle/browse/305</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/305/practice">https://vle.mathswatch.co.uk/vle/browse/305/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2018/09/Speed-Distance-Time-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2018/09/Speed-Distance-Time-pdf.pdf</a>
Compound units: Density			<a href="https://corbettmaths.com/wp-content/uploads/2013/02/density-pdf2.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/density-pdf2.pdf</a>

Autumn 8	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Sequences term to term	<a href="https://vle.mathswatch.co.uk/vle/browse/192">https://vle.mathswatch.co.uk/vle/browse/192</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/192/practice">https://vle.mathswatch.co.uk/vle/browse/192/practice</a>	
Nth term - generate	<a href="https://vle.mathswatch.co.uk/vle/browse/260">https://vle.mathswatch.co.uk/vle/browse/260</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/260/practice">https://vle.mathswatch.co.uk/vle/browse/260/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2021/09/nth-term-Exercise-288-289.pdf">https://corbettmaths.com/wp-content/uploads/2021/09/nth-term-Exercise-288-289.pdf</a>
Nth term – finding and using the Nth term rule	<a href="https://vle.mathswatch.co.uk/vle/browse/261">https://vle.mathswatch.co.uk/vle/browse/261</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/261/practice">https://vle.mathswatch.co.uk/vle/browse/261/practice</a>	
Square, cube and triangle sequences	<a href="https://vle.mathswatch.co.uk/vle/browse/262">https://vle.mathswatch.co.uk/vle/browse/262</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/262/practice">https://vle.mathswatch.co.uk/vle/browse/262/practice</a>	
Fibonacci sequences	<a href="https://vle.mathswatch.co.uk/vle/browse/304">https://vle.mathswatch.co.uk/vle/browse/304</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/304/practice">https://vle.mathswatch.co.uk/vle/browse/304/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2018/09/Squaring-Numbers-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2018/09/Squaring-Numbers-pdf.pdf</a>  <a href="https://corbettmaths.com/wp-content/uploads/2018/11/Cube-numbers-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2018/11/Cube-numbers-pdf.pdf</a>  <a href="https://corbettmaths.com/wp-content/uploads/2018/09/Triangular-Numbers-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2018/09/Triangular-Numbers-pdf.pdf</a>  <a href="https://corbettmaths.com/wp-content/uploads/2021/09/Fibonacci-Worksheet.pdf">https://corbettmaths.com/wp-content/uploads/2021/09/Fibonacci-Worksheet.pdf</a>

<https://corbettmaths.com/wp-content/uploads/2020/05/Sequences.pdf>

<https://corbettmaths.com/wp-content/uploads/2019/03/Sequences-Patterns-pdf.pdf>

Spring 1	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Form equations	<a href="https://vle.mathswatch.co.uk/vle/browse/300">https://vle.mathswatch.co.uk/vle/browse/300</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/300/practice">https://vle.mathswatch.co.uk/vle/browse/300/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2018/09/Forming-Solving-Equations-115-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2018/09/Forming-Solving-Equations-115-pdf.pdf</a>
Solve equations with X on one side	<a href="https://vle.mathswatch.co.uk/vle/browse/258">https://vle.mathswatch.co.uk/vle/browse/258</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/297">https://vle.mathswatch.co.uk/vle/browse/297</a> Up to 10 mins  <a href="https://vle.mathswatch.co.uk/vle/browse/298">https://vle.mathswatch.co.uk/vle/browse/298</a> Up to 11:33	<a href="https://vle.mathswatch.co.uk/vle/browse/258/practice">https://vle.mathswatch.co.uk/vle/browse/258/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/297/practice">https://vle.mathswatch.co.uk/vle/browse/297/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/298/practice">https://vle.mathswatch.co.uk/vle/browse/298/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2020/10/Equations-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2020/10/Equations-pdf.pdf</a>

Spring 2	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Solve equations with x on both sides	<a href="https://vle.mathswatch.co.uk/vle/browse/297">https://vle.mathswatch.co.uk/vle/browse/297</a> After to 10 mins  <a href="https://vle.mathswatch.co.uk/vle/browse/298">https://vle.mathswatch.co.uk/vle/browse/298</a> After to 11:33	<a href="https://vle.mathswatch.co.uk/vle/browse/297/practice">https://vle.mathswatch.co.uk/vle/browse/297/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/298/practice">https://vle.mathswatch.co.uk/vle/browse/298/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2018/11/Equations-letters-both-sides-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2018/11/Equations-letters-both-sides-pdf.pdf</a>

<https://corbettmaths.com/wp-content/uploads/2020/05/Equations-angles-perimeter.pdf>

<https://corbettmaths.com/wp-content/uploads/2018/09/Fractional-Equations-pdf.pdf>

Spring 3	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Change the subject and rearrange a formula	<a href="https://vle.mathswatch.co.uk/vle/browse/259">https://vle.mathswatch.co.uk/vle/browse/259</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/299">https://vle.mathswatch.co.uk/vle/browse/299</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/259/practice">https://vle.mathswatch.co.uk/vle/browse/259/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/299/practice">https://vle.mathswatch.co.uk/vle/browse/299/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/changing-the-subject-pdf1.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/changing-the-subject-pdf1.pdf</a>

Spring 4	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Pythagoras	<a href="https://vle.mathswatch.co.uk/vle/browse/314">https://vle.mathswatch.co.uk/vle/browse/314</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/314/practice">https://vle.mathswatch.co.uk/vle/browse/314/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2019/02/Pythagoras-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2019/02/Pythagoras-pdf.pdf</a>
Pythagoras formula	<a href="https://vle.mathswatch.co.uk/vle/browse/315">https://vle.mathswatch.co.uk/vle/browse/315</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/315/practice">https://vle.mathswatch.co.uk/vle/browse/315/practice</a>	
Pythagoras and co-ordinates	<a href="https://vle.mathswatch.co.uk/vle/browse/316">https://vle.mathswatch.co.uk/vle/browse/316</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/316/practice">https://vle.mathswatch.co.uk/vle/browse/316/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2019/01/Distance-between-2-points-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2019/01/Distance-between-2-points-pdf.pdf</a>

Spring 5 – page 1 of 2	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Simplify a ratio	<a href="https://vle.mathswatch.co.uk/vle/browse/193">https://vle.mathswatch.co.uk/vle/browse/193</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/193/practice/1">https://vle.mathswatch.co.uk/vle/browse/193/practice/1</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/simplifying-ratios-pdf1.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/simplifying-ratios-pdf1.pdf</a>
Solve a ratio	<a href="https://vle.mathswatch.co.uk/vle/browse/264">https://vle.mathswatch.co.uk/vle/browse/264</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/264/practice">https://vle.mathswatch.co.uk/vle/browse/264/practice</a>	<p>Given the total  <a href="https://corbettmaths.com/wp-content/uploads/2013/02/ratio-sharing-the-total-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/ratio-sharing-the-total-pdf.pdf</a></p> <p>Given on share  <a href="https://corbettmaths.com/wp-content/uploads/2018/12/Given-one-value-pdf-1.pdf">https://corbettmaths.com/wp-content/uploads/2018/12/Given-one-value-pdf-1.pdf</a></p> <p>Given the difference  <a href="https://corbettmaths.com/wp-content/uploads/2019/03/Ratio-Difference-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2019/03/Ratio-Difference-pdf.pdf</a></p>

Spring 5 – continued	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Applied ratio	<p>Recipes  <a href="https://vle.mathswatch.co.uk/vle/browse/194">https://vle.mathswatch.co.uk/vle/browse/194</a></p> <p>Value for money  <a href="https://vle.mathswatch.co.uk/vle/browse/196">https://vle.mathswatch.co.uk/vle/browse/196</a></p> <p>Exchange rates  <a href="https://vle.mathswatch.co.uk/vle/browse/263">https://vle.mathswatch.co.uk/vle/browse/263</a></p>	<p><a href="https://vle.mathswatch.co.uk/vle/browse/194/practice">https://vle.mathswatch.co.uk/vle/browse/194/practice</a></p> <p><a href="https://vle.mathswatch.co.uk/vle/browse/196/practice">https://vle.mathswatch.co.uk/vle/browse/196/practice</a></p> <p><a href="https://vle.mathswatch.co.uk/vle/browse/263/practice">https://vle.mathswatch.co.uk/vle/browse/263/practice</a></p>	<p><a href="https://corbettmaths.com/wp-content/uploads/2013/02/recipes-pdf2.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/recipes-pdf2.pdf</a></p> <p><a href="https://corbettmaths.com/wp-content/uploads/2013/02/best-buys-pdf1.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/best-buys-pdf1.pdf</a></p> <p><a href="https://corbettmaths.com/wp-content/uploads/2013/02/exchange-rates-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/exchange-rates-pdf.pdf</a></p>



Spring 6	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Ratio and maps	<a href="https://vle.mathswatch.co.uk/vle/browse/193">https://vle.mathswatch.co.uk/vle/browse/193</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/193/practice/1">https://vle.mathswatch.co.uk/vle/browse/193/practice/1</a>	

Spring 7	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Ratio and fractions	<a href="https://vle.mathswatch.co.uk/vle/browse/265">https://vle.mathswatch.co.uk/vle/browse/265</a> Up to 3mins  <a href="https://corbettmaths.com/2021/12/14/ratios-to-equations-video/">https://corbettmaths.com/2021/12/14/ratios-to-equations-video/</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/265/practice">https://vle.mathswatch.co.uk/vle/browse/265/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2018/12/Expressing-a-ratio-as-a-fraction-or-percentage-pdf-1.pdf">https://corbettmaths.com/wp-content/uploads/2018/12/Expressing-a-ratio-as-a-fraction-or-percentage-pdf-1.pdf</a>
Ratio an linear functions			<a href="https://www.mathsgenie.co.uk/resources/5-ratio-problems2-ws.pdf">https://www.mathsgenie.co.uk/resources/5-ratio-problems2-ws.pdf</a>  ANS <a href="https://www.mathsgenie.co.uk/resources/5-ratio-problems2ans.pdf">https://www.mathsgenie.co.uk/resources/5-ratio-problems2ans.pdf</a>

Ratio overview video and interactive questions:

<https://vle.mathswatch.co.uk/vle/browse/1688>

<https://vle.mathswatch.co.uk/vle/browse/1689>

<https://vle.mathswatch.co.uk/vle/browse/1690>

<https://corbettmaths.com/wp-content/uploads/2021/03/Ratio-Solving-Problems-1-1.pdf>

Summer 1	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Co-ordinates	<a href="https://vle.mathswatch.co.uk/vle/browse/161">https://vle.mathswatch.co.uk/vle/browse/161</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/161/practice">https://vle.mathswatch.co.uk/vle/browse/161/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2018/09/Coordinates-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2018/09/Coordinates-pdf.pdf</a>
Solve problems using co-ordinates	<a href="https://vle.mathswatch.co.uk/vle/browse/271">https://vle.mathswatch.co.uk/vle/browse/271</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/294">https://vle.mathswatch.co.uk/vle/browse/294</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/271/practice">https://vle.mathswatch.co.uk/vle/browse/271/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/294/practice">https://vle.mathswatch.co.uk/vle/browse/294/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2019/04/Midpoint-of-a-Line.pdf">https://corbettmaths.com/wp-content/uploads/2019/04/Midpoint-of-a-Line.pdf</a>

Summer 2	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Plot a linear graph	<a href="https://vle.mathswatch.co.uk/vle/browse/254">https://vle.mathswatch.co.uk/vle/browse/254</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/254/practice">https://vle.mathswatch.co.uk/vle/browse/254/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2019/01/Drawing-Linear-Graphs.pdf">https://corbettmaths.com/wp-content/uploads/2019/01/Drawing-Linear-Graphs.pdf</a>
Find and use gradient and intercept $y = mx + c$	<a href="https://vle.mathswatch.co.uk/vle/browse/255">https://vle.mathswatch.co.uk/vle/browse/255</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/325">https://vle.mathswatch.co.uk/vle/browse/325</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/326">https://vle.mathswatch.co.uk/vle/browse/326</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/255/practice">https://vle.mathswatch.co.uk/vle/browse/255/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/325/practice">https://vle.mathswatch.co.uk/vle/browse/325/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/326/practice">https://vle.mathswatch.co.uk/vle/browse/326/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2018/12/Gradient-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2018/12/Gradient-pdf.pdf</a>  <a href="https://corbettmaths.com/wp-content/uploads/2020/07/Equation-of-a-Line.pdf">https://corbettmaths.com/wp-content/uploads/2020/07/Equation-of-a-Line.pdf</a>
Parallel lines on a linear graph	<a href="https://corbettmaths.com/2013/06/06/graphs-parallel-lines/">https://corbettmaths.com/2013/06/06/graphs-parallel-lines/</a>		<a href="https://corbettmaths.com/wp-content/uploads/2013/02/parallel-and-perpendicular-graphs-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/parallel-and-perpendicular-graphs-pdf.pdf</a>

Summer 3	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Quadratic graphs	<a href="https://vle.mathswatch.co.uk/vle/browse/256">https://vle.mathswatch.co.uk/vle/browse/256</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/327">https://vle.mathswatch.co.uk/vle/browse/327</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/256/practice">https://vle.mathswatch.co.uk/vle/browse/256/practice</a>  <a href="https://vle.mathswatch.co.uk/vle/browse/327/practice">https://vle.mathswatch.co.uk/vle/browse/327/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2019/06/Drawing-Quadratics.pdf">https://corbettmaths.com/wp-content/uploads/2019/06/Drawing-Quadratics.pdf</a>

Summer 4	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Real life - linear graphs	<a href="https://vle.mathswatch.co.uk/vle/browse/265">https://vle.mathswatch.co.uk/vle/browse/265</a> After 3mins  <a href="https://corbettmaths.com/2021/11/18/real-life-graphs-video/">https://corbettmaths.com/2021/11/18/real-life-graphs-video/</a>		<a href="https://corbettmaths.com/wp-content/uploads/2019/02/Conversion-Graphs.pdf">https://corbettmaths.com/wp-content/uploads/2019/02/Conversion-Graphs.pdf</a>

Summer 4	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Real life graphs – non linear (SDT)	<a href="https://vle.mathswatch.co.uk/vle/browse/306">https://vle.mathswatch.co.uk/vle/browse/306</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/306/practice">https://vle.mathswatch.co.uk/vle/browse/306/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2013/02/distance-time-graphs-pdf.pdf">https://corbettmaths.com/wp-content/uploads/2013/02/distance-time-graphs-pdf.pdf</a>

## Summer 5

Revision for End of year assessment

### Learning target

#### Algebra

[I can use the correct algebraic notation in expressions and equations, including using brackets](#)

[I can substitute numerical values into formulae and expressions, including scientific formulae](#)

[I understand the meaning of the terms expression, equation, formula, inequality, term and factor \(also identity\)](#)

[I can simplify algebraic expressions by collecting like terms](#)

[I can multiply a single term over a bracket](#)

[I can take out common factors to factorise](#)

[I can change the subject of a formula](#)

[I can interpret simple expressions as functions with inputs and outputs](#)

[I can work with coordinates in all four quadrants](#)

[I can plot graphs of straight-lines in the coordinate plane](#)

[I can use the form  \$y = mx + c\$  to identify parallel lines](#)

[I can recognise, sketch and interpret graphs of quadratic functions](#)

[I can plot and interpret the graphs of simple linear functions arising from real-life situations, e.g. conversion graphs](#)

[I can plot and interpret non-standard real-life graphs to find approximate solutions to kinematics problems involving distance, speed and acceleration](#)

[I can solve linear equations with one unknown on one side](#)

[I can find approximate solutions to quadratic equations using a graph](#)

[I can write simple formulae or expressions from a problem](#)

[I can generate terms of a sequence from a term-to-term rule, including from patterns and diagrams](#)

[I can generate terms of a sequence from a position-to-term rule, including from patterns and diagrams](#)

[I can recognise and use recursive sequences, including Fibonacci-type sequences](#)

[I can write an expression for the  \$n\$ th term of a linear sequence](#)

#### Geometry

[I know and can use Pythagoras's theorem for right-angled triangles](#)

#### Number

[I can multiply integers using written methods \(including functional problems or money and area\)](#)

[I can multiply decimals using written methods \(including functional problems or money and area\)](#)

#### Ratio and proportion

[I can use compound measures](#)

[I can divide a quantity in a given ratio](#)

[I can solve problems involving ratios, e.g. conversion, comparison, scaling, mixing, concentrations \[video one\]\(#\) \[video two\]\(#\) \[video three\]\(#\)](#)

[I can relate ratios to fractions and to linear functions](#)



Summer 7	Mathswatch Video	Mathswatch Online questions	Corbett Maths
Inequalities introduction and on a number line	<a href="https://vle.mathswatch.co.uk/vle/browse/301">https://vle.mathswatch.co.uk/vle/browse/301</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/301/practice">https://vle.mathswatch.co.uk/vle/browse/301/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2020/10/Inequalities-textbook.pdf">https://corbettmaths.com/wp-content/uploads/2020/10/Inequalities-textbook.pdf</a>
Solve an inequality	<a href="https://vle.mathswatch.co.uk/vle/browse/302">https://vle.mathswatch.co.uk/vle/browse/302</a>	<a href="https://vle.mathswatch.co.uk/vle/browse/302/practice">https://vle.mathswatch.co.uk/vle/browse/302/practice</a>	<a href="https://corbettmaths.com/wp-content/uploads/2019/04/Solving-Inequalities.pdf">https://corbettmaths.com/wp-content/uploads/2019/04/Solving-Inequalities.pdf</a>